

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 7-2005)		ATTORNEY'S DOCKET NUMBER 97084/00116
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 107585157
INTERNATIONAL APPLICATION NO. PCT/US 2004/043408	INTERNATIONAL FILING DATE December 22, 2004	PRIORITY DATE CLAIMED December 30, 2003
TITLE OF INVENTION THREE-DIMENSIONAL IMAGING SYSTEM USING OPTICAL PULSES, NON-LINEAR OPTICAL MIXERS AND HOLOGRAPHIC CALIBRATION		
APPLICANT(S) FOR DO/EO/US TRUSTEES OF STEVENS INSTITUTE OF TECHNOLOGY		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 		
Items 13 to 23 below concern document(s) or information included: <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. ED 141170355 US 		

AP20 Rec'd 6/29/07 29 JUN 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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23. Other items or information: Copy of Amendment Under PCT Article 34; Return Postcard; Transmittal Letter with Express Mail Certification with Express Mail Label No. ED 141170355 US; Declaration and Power of Attorney (Unexecuted).																																																																																																											
<table border="1"> <thead> <tr> <th colspan="2">The following fees have been submitted:</th> <th>CALCULATIONS</th> <th>PTO USE</th> </tr> </thead> <tbody> <tr> <td colspan="2">24. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$300</td> <td>\$300.00</td> </tr> <tr> <td colspan="2">25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article</td> <td>\$0</td> <td>\$200.00</td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$200</td> <td></td> </tr> <tr> <td colspan="2">26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)</td> <td>\$0</td> <td></td> </tr> <tr> <td colspan="2">Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority.....</td> <td>\$100</td> <td>\$500.00</td> </tr> <tr> <td colspan="2">International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB.....</td> <td>\$400</td> <td></td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$500</td> <td></td> </tr> <tr> <td colspan="2">TOTAL OF 24, 25 and 26 =</td> <td>\$</td> <td>\$1,000.00</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> <td></td> <td></td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole)</td> <td>RATE</td> </tr> <tr> <td>110 - 100 =</td> <td>10 /50 =</td> <td>1</td> <td>x \$250.00</td> </tr> <tr> <td colspan="4">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> </tr> <tr> <td>Total claims</td> <td>168 - 20 =</td> <td>148</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>14 - 3 =</td> <td>11</td> <td>x \$200.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIMS (if applicable)</td> <td><input checked="" type="checkbox"/></td> <td>+ \$360.00</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.</td> <td>\$</td> <td>\$5,670.00</td> </tr> <tr> <td colspan="4">SUBTOTAL =</td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="4">TOTAL NATIONAL FEE =</td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property</td> <td>\$</td> <td>\$0.00</td> </tr> <tr> <td colspan="4">TOTAL FEES ENCLOSED =</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be</td> <td>\$</td> </tr> <tr> <td colspan="2"></td> <td>Amount to be</td> <td>\$</td> </tr> </tbody> </table>				The following fees have been submitted:		CALCULATIONS	PTO USE	24. <input checked="" type="checkbox"/> Basic national fee		\$300	\$300.00	25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article		\$0	\$200.00	All other situations.....		\$200		26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)		\$0		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority.....		\$100	\$500.00	International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB.....		\$400		All other situations.....		\$500		TOTAL OF 24, 25 and 26 =		\$	\$1,000.00	<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). 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PTO-4390 (Rev. 07-2005)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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A
APR 2006

- a. A check in the amount of \$ \$5,670.00 to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 503571. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Ralph W. Selitto, Jr.
McCarter & English, LLP
100 Mulberry Street
Four Gateway Center
Newark, New Jersey 07102


SIGNATURE

Joseph Agostino

NAME

51,191

REGISTRATION NUMBER

6/29/06

DATE

10/585157

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AP20 Rec'd PCT/PTO 29 JUN 2006



June 29, 2006

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Customer No.: 27614

File No.: 97084-00116
Inventor(s): John J. Keating III and Rainer Martini
Title: Three-Dimensional Imaging System Using Optical Pulses, Non-Linear Optical Mixers and Holographic Calibration
Express Mail Label No.: ED 141170355 US

Sir:

Enclosed herewith please find the following documents in the above-identified application for Letters Patent of the United States:

Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 USC 371 (Form PTO-1390)
 Unexecuted Declaration and Power of Attorney
 Amendment Under PCT Article 34
 Transmittal Letter
 Return-addressed Postcard
 Check in the Amount of \$5,670.00.

Basic National Fee \$ 300.00

Additional Fees:

Search Fee	<u>\$ 500.00</u>
Examination Fee	<u>\$ 200.00</u>
Total number of claims (including multiple dependent claims) <u>168</u>	
Total number of claims in excess of 20, times \$50	<u>\$ 7,400.00</u>
Number of independent claims <u>14</u>	
Number of independent claims minus 3, times \$200	<u>\$ 2,200.00</u>
Fee for multiple dependent claims (\$360)	<u>\$ 360.00</u>
Fee for each additional 50 sheets exceeding 100 (\$250)	<u>\$ 250.00</u>
Surcharge of \$130 for furnishing the oath or Declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))	<u>\$ 130.00</u>

SUBTOTAL **\$11,340.00**

Applicant claims Small Entity Status. See 37 CFR 1.27. The fees indicated above are reduced by ½.

TOTAL FILING FEES: **\$ 5,670.00**

Commissioner for Patents
June 29, 2006
Page 2
Customer Number 27614
Express Mail Label No. ED 141170355 US

10/585157

WAP20Rcc'd PCT/PTO 29 JUN 2006



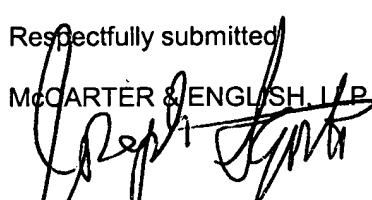
PRIORITY CLAIM:

This is U.S. National Phase Application under 35 U.S.C 371 of International Application No. PCT/US04/043408 filed December 22, 2004, and published on July 21, 2005, in the English language under International Publication Number WO 2005/065272A2, which claims the benefit of U.S. Provisional Patent Application No. 60/533,384 filed December 30, 2003; U.S. Provisional Patent Application No. 60/533,134 filed December 30, 2003; U.S. Provisional Patent Application No. 60/533,305 filed December 30, 2003; and U.S. Provisional Patent Appln. No. 60/537,773 filed January 20, 2004.

A check in the amount of \$5,670.00 to cover the fees associated with this filing is enclosed. The Commissioner is also authorized to charge any additional fees which may be required, including any extension or petition fees, or credit any overpayment, to Deposit Account No. 503571. A duplicate copy of this letter is enclosed for such purposes.

Respectfully submitted

McCARTER & ENGLISH, L.P.


Joseph Agostino
Reg. No. 51,191

JA/sd
Enclosures

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that this correspondence is being deposited with the United States Postal Service, postage prepaid, as "Express Mail Post Office to Addressee", Mailing Label No. ED 141170355 US to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 29, 2006.


Stephanie de Moraes (date)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No. 27614

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Our file: 97084-00083 Examiner B. Shalwala
Applicant: Trustees of Stevens Institute of Technology et al.
Serial No.: PCT/US2004/043408
Filed: 22 December 2004
Title: Three-Dimensional Imaging System Using Optical Pulses, Non-Linear Optical Mixers and Holographic Calibration

Sir:

Enclosed for filing in the United States Patent and Trademark Office is the following:

1. Letter Accompanying Amendment Under PCT Article 34 with Exhibits A & B
2. Transmittal Sheet
3. Postcard Receipt

CONDITIONAL PETITION

If any extension of time is required for the submission of the above-identified items, Applicant requests that this be considered a petition therefor. Please charge any additional charges or any other charges relating to this matter, or credit any overpayment, to the Deposit Account of the writer, **Account No. 503571**. A duplicate copy of this letter is enclosed.

10/26/05
Date

Respectfully submitted,

Ralph W. Seltito, Jr.
Registration No. 26,996
McCarter & English, LLP
Four Gateway Center
100 Mulberry Street
Newark, NJ 07102
Tel: (973) 848-5365
Fax: (973) 297-3763

Check One and Complete:

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I hereby certify that this correspondence is being deposited with the United States Postal Service, postage prepaid, as "Express Mail Post Office to Addressee," Mailing Label No. EV623708173US to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 10/26/2005.

By: Janelle Fava
Janelle Fava

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By: _____

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